

## CLAIMS

1. A method of forming an electrocoating film  
comprising coating a work with an electrocoating  
5 composition curable by heating and irradiation with an  
activation energy beam

in which an electrodepositing step, an aqueous  
cleaning step, a pre-baking step, an activation energy beam  
irradiation step, and a post-baking step are serially  
10 carried out in the order mentioned.

2. The method of forming an electrocoating film  
according to Claim 1,

wherein said activation energy beam irradiation step  
15 is carried out directly following said pre-baking step  
without cooling the work.

3. The method of forming an electrocoating film  
according to Claim 1 or 2,

20 wherein the heating in said post-baking step is  
continuous from said pre-baking step.

4. The method of forming an electrocoating film  
according to any of Claims 1 to 3,

25 wherein said electrocoating composition comprises a  
resin composition containing sulfonium and propargyl groups.

5. The method of forming an electrocoating film  
according to any of Claims 1 to 4,

30 wherein said electrocoating composition is a cationic  
electrocoating composition.

6. An electrocoating film

which is formed by the method of forming an  
35 electrocoating film according to any of Claims 1 to 5.

7. An electrodeposited article having the electrocoating film according to Claim 6.

5           8. A method of forming a multilayer film  
          in which the electrocoating film according to Claim 6  
          is further coated with an overcoat.

          9. A multilayer film  
10          which is formed by the method of forming a multilayer  
          film according to Claim 8.

          10. An article having the multilayer film according  
          to Claim 9.

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